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GenCore version 4.5 Copyright (c) 1993 \times 2000 Comparen Etd.
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OM nucleic : nucleic search, using sw model

Joly 26, 2002, 15:12:43 , Search time 1772.54 Seconds (Without alignments) 12:44:058 Million cell updates/ser Run on:

l aaggagattatatgagagg......tasagagagagagagaga 1621 US-09-601-371-1 1621 Title: Perfect score: Sequence:

Gapop 10.0 , Gapext 1.0 DENTITY_NUC Scoring table:

13736207 seqs, 6748477542 residues Searched:

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match ()%
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Listing first 45 summaries

em_gss_hum:* em_gss_inv:* em_gss_pln:* 1: em_estba:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

em_dss_vrt:*

SUMMARIES

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ALLINMENTS

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International Triticeae EST Cooperative (TTEC)
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Acanlbomorpha: Acanlboptoryqii; Percomorpha; Tetraodontiformes;
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Bernot.A., Fixames.C., Wincker.P., Brottier.P., Quetler.F.,
Saurin.W. and Weissenbach.J.
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                               between IACK-Kothamsted and North Carolina State
University. The library was restructed from mixed stage
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This sequence is a single read and was generated as part of a large scale clone-end sequencing project of the Tetracoon nigroviridis genome. For more information, please take a look at the Difference of the Tetracoon of the Difference of the Diff
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Tetraodon nigroviridis DNA sequence
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Perrot.A., Fixamcs.C., Wincker.P., Brottier.P., Quelier.F.,
Saurin.W. and Weissenbach.J.
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Charaterization and repeat analysis of the compact genome of the
                                                                                                                        Acanthomorpha, Acanthopterygii; Percencipha; Tetraodontitormes;
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Anoto: "Vortor: lampda CTII; This is a collaborative effort, between TACK-Rothamsted and North Carolina State briversity. The library was constructed from mixed state calling in lambda GTII! by Paul Borroughs.

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/db_xret="faxon:46090"
/cb.or_lib "Mixed Stage EST's from Globodera pallida, the
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                     Contact: Opperman, {\cal C} Center for the Hiology of Nematode Parasitism
                                                              NC State University; TACR-Rothamsted
Campus Box 7616; Raleigh, NC 27695, USA
Tel: 919.515.6699
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/n to "Vol' of 1913 la
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GTIIPCNI_E06_1-30R_047.abl.
Location/Qualifiers
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BP 191-91006 EVRY cedex - FRANCE (E-mail : segret@qenoscope.cus.tr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              hit, 'www odgp obj ac uv - This brosophila molanogaster BAC library (Dros BAC) was made by Alain Billaud at CEPH (Centre Library Eltade up Polymerphism immain) with randing project grant. The DAW was prepared from embryos by Alain Bucheton and Ormeviewe Payan, it has been constructed in the contor
                                                                                                                                                        DEFINITION Drosophila melanogaster genome survey sequence SP6 end of BAC BAC BACKLING backling by thom brosophila melanogaster (fruit II), genomic survey sequence.
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Massamorpha, Ephydroidea, Prographilidae, Prosophila.
1 (bases 1-to-1042)
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Best Local Similarity 40.7%; Pred. No. 3.2e-05;
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/organism="Drosophila melanogaster"
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Another Worter lampes of 11; This is a reliaborative effort between IAGE-Rochamsted and North Carolina State University. The library was constructed from mixed state 6, pallida in lambda offl by Paul Burroudhs, IACE-Rothamsted."
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polato cyst enmatode"
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Mixed File Effs from Glob.3cra pallida, the petato cyst nemated
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Contact, Opperman, C
Center for the Biology of Nematode parasitism
No State Duriversity; IACK-Rothamsted
Campus Rox 7616; Raleigh, NC 27695, USA
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Another Vectors persons site, is still constructed at the firstitute for Genomic Research (TIGP), Porkville, MD Genomic DNA isolated from broth cultures of E. Histolytica using a method described by Clark and Diamond (Clark, C.G., and Diamond, L.S. (1993) Entamocha histolytica: a method for isolate identification. EXp. Parasitol. Nature of the DNA was prevented by sheared, region ight size distribution. (2 kb). The volume described used for the library construction is described in detail in Smith.
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Whole genome shotgan sequencing projects. In Genome
Sequencing: A Practical Approach, eds. M. Vaudin and B.
Barell, extord Salversity Press, 1999; "
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Ckones are derived from the Entamoeta histolytica HMI:IMSS sheared
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No homology found. : GTII-6PCN_F_107_PCN_6_F_058.abl.seq.screen.
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Fend, J., Dewar, K., Buchler, E., Kim, C., Li, Y., Shinu, P., Sun, H. and Ecker, J.
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/strain="Columbia"
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other_GSSS. F21E20 Jp6, F21E20 Sp6.2
Contact: Ecker J.
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. Web : www.qenoscope.cus.tr) Determination of this BAC end sequence was carried out as part of \alpha
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BF 191-91005 EVEY c.dex + FRANCE (E-mail : seqret@genoscope.cus.tr
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Listing first 45 summaries

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sp_vertebrate:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

sp_archeap:*

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01-JUN-2001 (TrEMBLEEL, 17, Last annotation update)
MACROPHAJE ACTIVATING LIPOPROTEIN 404 PRECORSOR.
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                                 17-JON-1997, RAGARU GLJUTSU SHINKS-
BARIG, DAGORS, HAAZSSSOLL - .
EMBLG AROZELST RAAZSTILZ; - .
IQLCEPTC; IPRO03760; EMP.
Patent number JP1997157295-A/1
                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches 428; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61 KLKPVLITPEGKIIPKSPNOSAPEALKATNKOTGTTINNVEPSSNFESAYNSALSAGHKI 120
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[RH9L: Algorigies AD16396.1]. -.
MACROPHAGE ACTIVATING LIPOPROTEIN-404.
D02F0F47EA2E1460 CRC64;
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01-JUN-2001 (TFEMBLECL. 17, Last annotation update)
MACBARHAGE ACTIVATING LIFOREOTEIN-404 PRECURSAGE.
                                                                                                                                                                                                                         Gorry Match 99.9%; Score 2184; 58-2; Best Local Similarity 99.8%; Pred. No. 2.7e-118; Matches 4.27; Chiserrative 1; Mismatches 0;
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METLINE-9915554. PubMed-991608B:
METLINE-9915554. PubMed-991608B:
Calcutt M.J. Kim M.F., Karpas A.H., Muhiradi P.F., Wise K.S.;
"Differential posttranslational processing conters intraspecies variation of a major surface lipoprotein and a macrophage-activating lipopeptie of Mycoplasma termentans.";
Entict: Immun. 67:760-771[1999].
EMRI: AF099209; AAD16.93.1;
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121. WVI NGERPAZSIKAYIDAHPER ERNGIRT GTOROTEREVKWEYSI QENIKESAFITGY. 180
                                     181 ATASWI SPERFSKRVVASFRORAFPRVTTFNRØSPAKOTI YYNOKHKSSKIYHTSPVKLDS (240)
                                                                                                                                                                                                                          301 IQDKDRILISVLKHIKQAVYEILEDEILEREDSYKPYVVFPKKAPKKWSHFGIQKFKWIG 460
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"Differential posttranslational processing confers intraspecies
"Differential posttranslations in properties and a macrophage-activation
lipopeplide of Mycoplasma fermentans.";
Intect. Immun. 67:760-771(1999).
EMBL: AF099213; AAD16397.1; -...
InterPro; IPPROA769; BMP.
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                                                       24) GETAGEKMITVINNVLSSTPADVKYNPHVILSVAGPATFETVRLANKGQYVIGVDSDOGM
                                                                                                                                30] IQDRIDBILTSVLKHIRQAVYETLIDLILERFEGYFAYOVEDFFADFWENSHFILDKFFWIG
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99.3%; Pred. No. 1.26-117;
1ps. 1; Mismatches 2; Indels (
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01-MAY-2000 (TrEMBLrel, 13, Last sequence update)
01-JUN-2001 (TrEMBLrel, 17, Last annotation update)
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Matches 425, Conserv
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                                                                              241 GETAGEKMNTVINNVLSSTPADVKYNPHVILSVAGPATFETVRLANKGUYVIGVDSDQGM 300
                                                                                                                                                                                                                                                                                                                               61 KLKPVLITDBOKICIASENGSAFFALKAINEGI TETANVERSANFSAYNSALSAGHKI 129
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01-JUN-2001 (FFEMBLEC), 17, Last annotation update)
MEMBRANE LIPOPROJEIN P48V.
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01-JUN-1998 (FERMELRE), 06, Last sequ
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CHARLES C. L. C. CARLOS AND C. LINDS E. RESPONDED ON CO. CHARLES AND PARABELLS 60. THE C. CHARLES AND CO.     * For even of the resolvers Applied Munderbagger Constraints on the Book (APM 109) and the constraint of the first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first first firs
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SIGNI POLME
MILLINE POLYAZINE FIRM HENDER FERNAL AND CALL OF GENERAL FERNAL
Bail F.E., Againal S., Kostier F.E., Water G.E., Polds FERNAL FERNAL
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94.1%; Pred. No. 9.86°2°;
the D: Midmatribed '; Indexs
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| Mar 1977 (DIMEDIOL 03, Day at person 4 1995)
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| PERSONTING DIFFERENTIAL DAYA TIVALER FACTOR PAR PREDUESTRO
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Best Local Similarity 30.1%; Prod. No. 4.96-19;
Matches 145; Conservative 84; Mismatches 170; Indels 84; Gars
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Moszer I., Dybviq K., Wroblowski H., Viari A., Pocha E.P.C.,
Blanchard A.;
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                                                                                                                                                                  Bacteria: Firmicutes: Barillus,Clustridium group: Mollicutes:
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ABC TRANSPORTER XYLOSE-BINDING LIPOPROTEIN.
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EMBL: AL44554; CACL3519.1;
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                                                                                                                                        Mycoplasma pulmonis,
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28.6%; Pred. No. Ze-18;
tipe 95; Mismitther FC; Indels 80; Gaps
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H.F.JAVYFELLER F.F. - - - - LEFFELYEPYVVETSFEAMFFENSHEYTTYFFKWIGVALINHTS
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Rosati S., Pozzi S., Robino P., Montinaro B., Conti A., Fadda M..
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01-NOV 1999 (TYEMBLEEL, 12, Last sequence update)
01-DEC-2001 (TYEMBLEEL, 19, Last annotation update)
P48 MEMORARE LIPSPECTEIN PRECURSOR.
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01-NoV-1996 (TrEMHirel. 01, Last sequence update)
01-DEC-2001 (TrEMHirel. 19, Last annotation update)
AC 24+5 PROFEIN PRECURSOR.
Mycoplasma arqinini.
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IMBL: AJ132123; CAB43718.1; ..
InterPro; IPR004760; Bmp.
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Best Local Similarity 28.69
Matches 111, Conferrative
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Microbiol. Immunol. 99:393-400(1995).
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                                                                                                                                                                                                                         MEGIJAR 9614-1149, PubMod 8851970;
Ushio S., Iwaki K., Taniai M., Oh'a I., Pukrda S., Seqimera K.,
Hactoria: Firmicutes: Bacillus/Clostridium arcup: Mollicutes;
Mycoplasmafaceae; Mycoplasma.
N'FELTAXID 2094;
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01-JUN-2001 (TrEMBLrel, 17, Last sequence update)
01-DEC-2001 (TrEMBLrel, 19, Last annotation update)
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InterPro: IPR003760; Bmp.
Plam; PF02508; Bmp: 1.
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"A set of ordered cosmids and a detailed genetic and physical map for the B Mb Streptomyces coeffcolor A1(2) chromosome."; MRCL Microbiol. 21:77-96(1996).
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MEDGINE-97000351; PubMed 8843446;
Redenbach M., Rieser H.M., Denapaite D., Eichner A., Cullum J.,
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Total number of hits satisfying chosen parameters: 105224 segs, 38719550 residues Searched:

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Post-processing: Minimum Match 1008 Maximum Match 1008 Listing first 45 summaries

SwissProt_40:* Database : Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Peterson S.N., Ho P.-C., Bott K.F., Hutchison C.A. 111;
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J. Bacteriol. 175:7918-7930(1993);
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12 KKSUFLISGMSSLAVFLTA----CGATKIFDSSVQ--- .....
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          62 LKFVLITDE-GKIDDKSFNOSAFEALKA-INKOTGIFINNVEPS--------
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.58; Score 207.5; DB 1; Length 591;
21.78; Pred. No. 6.8e-06;
                                                                                                                                                                                                                                                                                                                                                                                                         RYPOTHTTIAL LIPSPESTERN MG040.
                                                                                                                                                                                                                                                                                                                                                                                                                              N-ACYL DIGLYCERIDE (POTENTIAL).
14A9FA31PH7E0928 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             158 ETEYKW------FYSLQFNIKESAFTTGYAIASWLSEQDE--
                                                                                                                                                                                                                                                                                                                              Hypothetical protein: Lipoprotein; Membrane; Signal;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SKEVVASI OGCAF PGV (TENESFAEGTLYVNQ - FEIRS
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Borrelia burgdorteri (Lyme disease spirochete).
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15-1872-1998 (Rel. 37, Cheated)
1-1872-1998 (Rel. 37, Last sequence update)
16-007-2001 (Rel. 40, Last annotation update)
                                                                                                                                                                                                                                                                                                      PROKAR LIPOPROTEIN: 1.
                                                                                                                                                                                                                                                                                                                                                                                 POTENTIAL.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             104 SNFESAYNSALSAGHKIWVLNGFKHQUSIKQY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PKT;
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                                                                                                                                                                        EMBL; U39683; AAC71256.1; -.
                                                                                                                                                                                                   EMBL; U02125; AAD12400.1; -.
TIGR; MG040; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 21.7%
Matches 104; Conservative
                                                                                                                                                                                                                                                   InterPro: IPR903760; Bmp.
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PEOSITE, PS00013; PROK
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Spirochaetales: Spirochaetaceae; Borrelia.

Bacteria;

NCBL_TaxID=139; [1] SEGUENCE FROM N.A. STRAIN SH·2·82;

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SEQUENCE FROM N.A.
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MEDLINE 9804594: PubMool-9403685.

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21.7%; Fied. 40. 6.2c 06;
ntive 56; Mismatches 147; Indels 80; Caps
                                                                                                                                                                                                                         MEDILNE 97132632; PubMod-8978084;
Aron L., Toth C., Cottroy H.P., Cubella F.C.;
"Inductification and mapping to a chromosomal gene cluster of Borrella
borrdorferi containing genes expressed in 2420.".
FEMS Microbiol. Lett. 145:309-314(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ojaimi C., Lavidson B.E., Saint-Girons I., Old I.G., Conservation of gene arrangement and an unusual organization of rRNA genes in the linear chromosomes of the Lyme disease spirochaetes horrelia burquorteri, B. garinii and B. afzelii."; Microbiology 140:2940-2940(1994).
-1- FUNCTION: NOT KHOWN: INMUNESERIC PROTHIR.
                      Simpson W. C., Tigliah W., Zibing M.E., Parkon A.C., Jakan T.C., "Norderide sequence and analysis of the gene in Borrella burgdorferi
encoding the Emminoperic P.99 artifact."
FEMS Microbiol. Lett. 119:381-488 (1994).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26 SELFRYSCHI - COLFORSFRESALMOVRIVALERALLOVORLSSSNSYLSDLUCLAR 82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -! SUBCELLULAR LOCATION: Attached to the membrane by a lipid anchor
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F : S (IN STRAIN 297).
I: A9581868CA708923 CRC64:
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SIGNAL
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 -1- SIMILARITY: BELONGS TO THE BMP FAMILY OF LIPOPROTEINS.
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Ptam: PF02608; Bmp: 1.
PROSITE: PS00013; PROFAE_LIPGFFFFFFF.
MEDLINE:94327086; PubMed=8050720;
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EMBL: AE001143; AAC66757.1; -.
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339 AA) 36968
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.es 99, Conservative
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Nature 390;580-586(1997).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         137 WELL W. LAKKLSKETKE - FRED ALBORD, V. MERY LEDA JAKO ANKLJALSKYLEG 191
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    Clin, Microliol. 45:2752-2758(1992).
    Chin, M. G. B. Lea who. BM decount? The GIN.
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FIE. AND PLL7;
MEDGINE BEGGERD FREMA 9.550727;
MEDGINE BL. Harsel P., WISK-B MISK-B
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Best Local Similarity 25.1%; Pred. No. 7.7e-06;
Matches 91, Conservative 65, Mismatches 150, Indels 57,
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Bacteria, Spirochaetales, Spirochaetaceae, Borrelia.
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15-DEC-1998 (Ref. 37, Last sequence update)
15-DEC-1998 (Ref. 37, Last annotation update)
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J. Clin. Microbiol. 35:2752-2758(1997).
-!- FUNCTION: NOT KNOWN, IMMONGEMIC PROTEIN.
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                                                                                                                                                                                                                                                                                   Antigen: Membrane; Lipoprotein; Signal.
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EMBL: X97248; CAA65877.1;
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Borrelia burqdorferi (Lyme disease spirochete). Bacteria: Spirochaetales: Spirochaetaceae; Borrelia.

NCBI_TABLD 139; [1] SPTTPWF FROM N.A. STRAIN SH:2-82;

EMPERENCE STANDARD, PRI; 341 AA. 045011: 007954: 031317: 050168; 044858; 15-050-1998 (Rel. 37, Created) 15-DEC-1998 (Rel. 37, Last sequence update) 16-0CT-2001 (Rel. 40, Last annotation update)

HMP18_BORHU

Basic membrane protein B precursor.

BMPB OR BB0382.

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Latherra R., White C., Ketchum K.A., Bodson K., Hikkey E.K., Gwinn M.,
Dougherty B., Tanb J. F., Pleisthmann B.D., Richardson E., Kowinn M.,
Pererson J., Kerlayage A.R., Quackenbush J., Salaberg S., Hanson M.,
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PROSITE; PS00013; PROKAR_LIPOPROTEIN: 1.
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MEDLINE:98065943; PubMed-9403685;
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                                                                                                                                                                                                                   NVERSOMETERAY NEALS AGHE (MVLW 104
                                                                                     Whery Match 8.5%; Score 187; DB 1; Length 350;
Best Local Similarity 22.4%; Pred. No. 6.5c 05;
Matches 93; Conservative 61; Mismatches 145; Indels 116; Gaps
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    Clin, Microbiol. 35:2752-2758(1997).
    SUBCELLULAR LOCATION: Attached to the membrane by a lipid anchor

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                                                                                                                                                                                                                                                                                                                                                                                                          245 GEKMNIVIMNVLSSTPALVKYNTHVILJVAJPATITITVSLANEDG 💎 VVETVLSDG
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         HYPOTHELICAL LIPOPROTEIN YUFN.
N-ACYL DIGLYCEKIDE (PROBABLE).
1005176A52A99284 CRC64;
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Mismitotes 113; Indels 53; Gaps
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Raquero F., Berche P., Blocker H., Brandt P., Chakraborty T., Charbit A., Cherchani F., Couve F., do Parovar A. Dochoux P., Charbit A., Cherchani F., Couve F., do Parovar A. Dochoux P., Entian E., Dominguez-Bernal G., douchaud E., Durant D., Dussurget O., Entian E.-D., Fsihi H., Carcia-del Portillo F., Garrido P., Carido P., Carita I., Sockel W., Concellage N., Hain T., Hauf J., Darwon D., Janes L.-M., Kaerst U., Kreft J., Khum M., Kunst F., Kurapkat G., Madueno E., Markournam A., Mata Viente J., Hg E., Redjari H., Nordsiek G., Morella S., de Publos B., Perce-Diaz J.-C., Purcell R., Kompens E., Kose M., Schlueter T., Simoes N., Tierrez A., Vazgeor-Boland J.-A., Voss B., Wehland J., Cossart P., Comparative genomics of Listeria species."
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Best Local Similarity 27.2%; Pred. No. 7.8e-05;
Miller Theory Theory Manual Manual Similarity 53.8
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N-ACYL DIGLYCERIDE (PROBABLE).
IEBEAAETUS4ACDBI GRC64;
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01-MAR-2002 (Rel. 41, East Sequence update)
01-MAR-2002 (Rel. 41, Last annotation update)
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TCSA OR LMO1888.
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NCBL_TaxID-1639;
                                                                                                          PROKAR_LIPOPROTEIN; 1.
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MEDLINE-21537279; PubMed-11679669;
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J. Exp. Med. 182:1751-1757(1995).
                                                                                                                                                                     Membrane: Lipoprotein; Signal.
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InterPro: IPR003760; Bmp.
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PROSITE; PS00013; PROK
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Best Local Similarity 22.4%; Prod. No. 0.00017;
Matches 94; Conservative 69; Mismatches 164; Indeis 93; Gaps
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-:- SUBCELLULAR LOCATION: Attached to the membrane by a lipid anchor
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N ACYL DIGLYCEKIDE (PROBABLE).
83A05E8B6419CB01 CRC64;
                                                                                                                                           -1- SIMILARITY: RED AGS TO THE BMP FAMILY OF LIPSPECTEIMS.
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SIGNAL
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01-MAR-2002 (Rel. 41, Last annotation update)
CD4-1 cell'stimulating antigen precursor.
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Pfam: PF02408; Bmp. 1.
PR-SITE: PS00013; PEPKAR_LIPGPRGTEIN; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This SWISS-PROT entry is copyright. It is produced through a collaboration
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23.5%; Pred. No. 0.00084;
catice 52; Mismatches 168; Indels 80; Capo
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-i- SOBGELJULAR LACATION: Attached to the membrane by a lipid andbor
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N-ACYL DIGLYCERIDE (PROBABLE).
7 442BEF0BFEDDOC9A CRC64;
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                                                                                                                                                                                                                                   Racteria; Spirochaetales; Spirochaetaceae; Rorrelia.
N∵BL_faxID 29519;
15 DBC-1998 (kel. 37, Created)
15-DBC-1998 (kel. 37, Last sequence apdate)
15-DBC-1998 (kel. 37, Last annotation update)
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PROSITE; PS00013; PROKAR_LIPOPROTEIN: 1.
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                                                                                                                              Masic membrane protein B precursor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Roessler D., Hauser U., Wilske B.,
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SIGNAL 1 14 P
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nes 92, Coservative
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This SWISS-PROT entry is copyright. It is produced through a collaboration between the EWBL outstation the European Richermatics Institute. There are no restrictions on its
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IMGI SPRESDIL 98
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"Majecular characterization, genomic arrangement, and expression of
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24.2%; Pred N. 0.0073;
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: 6 4FF66 4RFFLA91D5 CRC64;
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"Genomic sequence of a Lyme disease spirochaete, Borrelia
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Bacteria, Spirochaetales, Spirochaetareae: Borrelia.
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SIGNAL 16 РКОВАВLE.
"HATH 17 (41 РАЗН? MEMBRANE PROPE)
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16-0CT-2001 (Rel. 40, Last annotation update)
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PROSITE; PE00013; PROKAR_LIPOPEOTEIN: 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          proteins of Borrelia burgdorferi.";
Infect. Immun. 64:1259-1264(1996).
                                                                                                                                                                                                                                                                                                                 Basic membrane protein D precursor.
BMPD OR BB0385.
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MEDLINE 98065943; Pubmed 9403685;
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                                                                                                                                                                    15-DEC-1998 (Rel. 37, Created)
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BMPD_HORBU
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                                                                                                                                                                                                               13 KAYTAMBAHAHANAMATETICHMUNINTENEMFYSIQEMIKUSAFITSYAIASWISRQPUS 192
                                                                                                                                                                19. RRAVASESSANTSVITTRESPARST VALEHRESKIVELERIVELE SLIASERARTVI DD2
                                                                                                                                                                                                                                                                                                                            250 BOWLDSTEMOVRYBRIEFL - SVACEATETVELARKS,YVIGVIGEGORDRIF 307
                                                                                                                                                                                                                                                                                                                                                                                                          194 DEGLORSTASHWYPPSVPPTFRAAGISCICVIEAAKELGPPHYTTGVPQEGSYLA PRWV 252
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                                           99 FORAS---ERWANNIALIESVYLGIQIT ENLINGERGEGNALMAN FAREAALAR.
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01-071-1996 (Fel. 34, Last sequence update)
16-071-2001 (Fel. 40, Last annotation update)
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SEQUENCE 666 AA; 77302 MW;
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Querry March

6.9%; Score 151; DB 1; Length 566;

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Frasor C.M., Casjens S., Henne W.M., Soften S.E., Clayton F.A.,
Let's caste, G.C., E.C., E.C., E.A., C.D., E., H. Sey, E.E., Swinn M.,
Doudberty N., Tonk J.F., Fleischmann R.L., Fribardson D.,
R.C., G., Castella E., Castella E., Castella S., Sandaron S., Garana S.,
Van Voqt, E., Polimer N., Adams M.D., Gecayne C.D., Weidman J.,
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Atom L., Loda J., Seafroy H.P., Citelia F.C.;
"Identification mapping of a chromosomal sens ciuster of Borrelia
Buradorieri containing among expressed in viv.";
FEMS Microbial, Lett. 145; 809-814 (1996).
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LAKTHER FOR TRAINSFELSIVVINIOS INF - ISKSNSINENN -- QUKELA 11
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080169: q44859;

15-7557 for (Feet 77, Cheated)

15-7557 for (Feet 77, Last superfice appare)

16-757 for (Feet 47, Last superfice appare)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                97 YDGGGGFK GSLITFFD -- EVIAQQQKIKDAD
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STRAIN ATOT (5210 / 1841)
MEDLINE 98065943: P.DARCH 94 (505)
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                                                                                                                                  t - SUBCELLULAR LOCATION - Attached to the memberon V_T ordinance t
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NCHL_TaxID-29292;
Utterback E., Watthey E., McDonald E., Artiach P., Bowman C.,
Garland S., Fujii C., Cotton M.D., Borst K., Reberts K., Hatch H.,
Smith H.O., Venter J.C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Pred. No. 0.04;
68; Mismatches 141; Indels 77;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            6.5%; Score 142.5; DB 1; Length 353;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BASIC MEMBRANE PROTEIN C.
N. MYED DIGLYCRENDE (PROBABILE).
V. E. (TRICKAIN 2017).
2 268FF607D6CAB9HO CRC64;
                                                                                                                                                                              -1- SIMILARITY: BELONGS TO THE BMP FAMILY OF LIPOPROTEINS.
                                                              "Genomic sequence of a Lyme disease spirochaete, Borrelia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Membrane: Lipoprotein: Signal: Complete proteome.
SIGNAL
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16-0CT-2001 (Rel. 40, Last seguence update)
16-0CT-2001 (Rel. 40, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PLAME PF02608; BMP: 1.
PROSITE; PS00013; PROKAR_LIFOPROTEIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      286 EYI - NNRVI'KGGII IDK - - - - - -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19824 MW;
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Matches 73; Conservative 6
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                                                                                                           Nature 390:580-586(1997).
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Q9V1H5;
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Y 402_PYRAB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       194 - TGKPVKILMQYTGTFGDT@VGYNTAMQ- - ILQQGAKVI.YG - - LAGLTHVGMFDAVKDW 247
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                                                                                                                                                                          "Pyrococcus abyssi genome sequence, insights into archaeal chromosome
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LIFED 22 22 N-ACYL DIGINCERIDE (PROBABLE).

SEQUENCE 464 AA, 44701 MW; D732FB141295B988 CRC64;
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21.8%; Prod. No. 0.064;
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Search completed: July 23, 2002, 14:34:06

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GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.

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Total number of hits satisfying chosen parameters:

283138 seqs, 96089334 residues

Searched:

Maximum DB seq length: 2000000000 Minimum DB seq length: 0

Post-processing: Minimum Match 0%

Maximum Match 100% Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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ALLESNMENTS.

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E.Bimselr. L.L. E., Hilbert, H., Flagens, H., Firkl, R., Li, B.C., Herriann, R., Nucleic Acids Res. 24, 4420-4449, 1996
A.Fithe. Purplete requesse analysis of the pensor of the bacterium Myorplasma prommon A.Reterece number: $73327, MUHD:97105885
A.Accession: $74428
A.Status: preliminary, nucleic acid sequence not shown, translation not shown
                                                                                                                                                                                                                                                                                 A)Cross references, IMBL:ALSU80812, GB.U08089, NIB.a167.975; PIDB:AAB95740.1; PHE:A167
A)Note: the nucleotide sequence was submitted to the EMBL Data Library, November 1996
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J. Barteriol, 1943, 570-6717, 2001
A.; Andbors: Yang, Y.; Yeung-Rellido, M.; Zhao, G.; Zhok, C.; Baltz, B.H.; Paskonas, S. A.; Lle, Senson et the Barterior Trepferences pneumoniae Strain K6.
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C;Supertamily: Mycoplasma pheumoniae probable lipoprotein D39_ort657
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Cipate: 01 Ang 2001 #sequence_revision 0.2 Ang 2001 #text_change 03 Ang-2001
Forettelin, H.: Nelson, K.E.: Paulson, I.T.: Lowis, M.R.; Radune, D.; Holtzapple,
nson, T.; Hickey, E.K.: Holt, I.E.
Science 293, 498-506, 2001
A:Authors: Lottus, B.7; Vanq, F.; Smith, H.O.; Voptor, T.C.: Evoquency, B.A.; Worriers,
A:Titler Complete Genome Sequence of a virilent isolate of Streptococcus pneumoniae.
A:Rescretze number: A95000, MUID-21372209, PMID-1146-9916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Cross-rotorencos (Brakon9672) PIDN-AAK74976.1; PID:q14972319; GSFDB;GN00164; FIGR:SP4
A;Especiacoli scorca (Stain TITM)
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AyVariety: AIO: 29442
Cybate: 26-Feb-1997 #csypecon_porixion 25 Apr 1997 #to-1_shange 15-85g 2000
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N:Alternate names: MG040 homolog D09_or1657
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dilarity 25.3%; Pred. E., 1.16 of.,
Conservative 57; Mismutches 151; Indels 78; Gaps
                                 JONNINEATHMETERS VK. CASERALISME JAVOERGLATISAT 100
                                                                                       VEPSSNFESAYNSALSA 116
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KiPrason, C.M., Goragne, T.D., While, G., Adams, M.D., Clayton, B.A., Fleischmann, R.D., M.: Fuhrmann, J.: Nguyon, D.: Urterback, T.E.; Saudek, D.M.; Phillips, C.A.; Morrick, J., C.A.; Venter, J.C.	Coverg March
Science 27s. 197-4s), 1965 Arlitle: The minimal gene complement of Mycglasma genitalism. Arketeronce number: A64200; Milb:96026346	19 A
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Opery Match. 9-7%, Score 207.5, DR 2; Length 591; Best Frey! Similarly, 21.7%, Pred. Mc. 3.46-07. Matches 104; Conservative 72; Mismatches 184; Indels 169; Gaps 21;	CA TREMEMBER HALLS HALL BUREWASHIOLAND WITHOUT HAS 124 224 Db 140 WRALAAFI HALL HALL BENNAMER HALLWANDEW THEIR THE PET PET WANT WANTE 189
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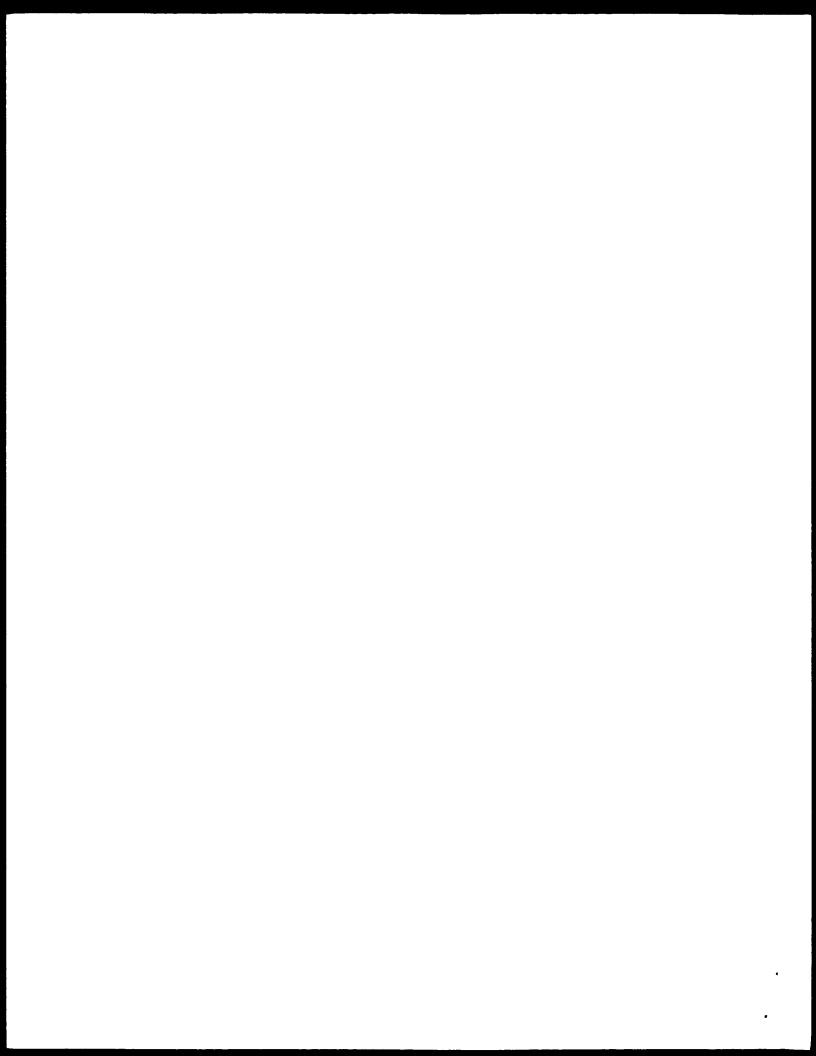
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Krogh, S.; Kamano, M.; Kurita, K.; Hosono, S.; Hullo, M.
Krogh, S.; Kamano, M.; Kurita, K.; Lapidus, A.; Lardino
Ye, V.; Lee, S.M.; Levine, A.; Liu, H.; Masoda, S.; Man
Oudeda, B.; Park, S.H.; Parro, V.; Pohl, T.M.; Fortlete
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Peter, R.; Scoffone, F.; Sekiguchi, J.; Schowa, A.; Se
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man-fe, H.; Yanene, K.; Vasanicho, K.; Yata, K.; Yoshida
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chi, C.V.; Caldwell, B.; Capuano, V.; Carter, N.M.;
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08-09-601-371-2

Perfect score: Sequence.

Scoring table:

BL/SUM62 Gapop 10.0 , Gapext, 0.5

Total number of hits satisfying chosen parameters: 747574 seqs, 111073796 residues Sear ched:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100%

Listing first 45 summaries

Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Description	Total Tantantory extok	Membrane protein M	Interleakin 8 CE	4 4kd regression as	Gene encoding the	Cancer metastasis	Mycoplasma hyopnen	Mycoplasma hyopnen	Propionibacterium	Streptocoodus preu	Streptoroccus pneu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Membrane protein M161Aq — useful in development of leukaemia
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95JP-0344504.
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interleable X (ii X) them an Epstein Park wires (EBV)-carrying typhobabased deal line. it A proteins can be used to enfance the growth of cells in white, or to grow primary human B cell cultures to facilitate proliferation of these cell lines, as therapentics or prophylactics, as
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Blazar BA, Webb AC;
                                                                                                                        Misc-difference 160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2001 574181764.
                                   Misc-difference 150
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Score 403.5; DB 10; Length 448; Pred. Mo. 1.2e 22;

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Best Local Similarity

Query Match

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Matches 124, Conserrative 90, Mismatches 182; Indels 69, Caps

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                                                                                                                           AAQ79124 encodes AA&67582 a protein involed in cancer medualasis, which may be used for the study of metastaic mechanisms, and for clinical tests to determine the presence of absence of rancel
                                         DNA euroding polypeptide involved in cancer metastasis - useful for the study of the mechanism of metastasis and in cilnical
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18. Pr. School Community of ERV Fred. No. Coerco.

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The sequence represents Mycoplasma hyopneumoniae a recombinant MHP3 antiqen lacking the first 28 amino acids (the putative signal sequence). MHP3 antiqen and its fragments are useful in manufacturing a vaccine for treating or preventing a disease of disorder in an animal, especially ply, caused by M. Hyopneumoniae infection e.g. enzocine mycoplasma pneumonia. The mhp3-encoded proteins may be used as immunogens to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           generate antibodies which immunospecifically bind such an immunogen. The
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hyspheumeniae eseiul as a vaceine for treating or proventing diseases
caused by Mycoplasma hyspheumoniae
                                and beam, varieties converties mysophasma paramonias motianty \Phi_{ij} . Since the i_{ij} the and then p_{ij}=1 , P_{ij} , P_{ij} for the fields, which
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   FEEKL WASHIE FROEKJAN DRIKE
                                                                                                                                   LETTEVENTIALE AT ESCRIBINA AND SECTION LANGE 11.3
                                                                                                                                                                       Mycoplasma hyopneumoniae recombinant MHP antiqen.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 4; Page 19-21; 38pp; English.
                                                                                                                                                                                                                                                                                                                                                                          AAU01860 standard; Protein; 423 AA.
26-SEP-2000, 2006EP-0308421.
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                                                                                                                                       480 FEATEMEN
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Indels 70, Caps

Match 16.9%; Score 368; DB 22; Longth 423; Local Similarity 26.9%; Pred. No. 5.7e-20; es 108; Conservative 83; Mismatches 140; Indels 70

Matches 108; Conservative

Query Match

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Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunoaenic polypeptides. The proteins and their associated DNA sequences are used in
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                                                              Propionibacterium acues polypeptides and nucleic acids useful for
vaccinating against and diagnosing intections, especially useful for
freating acme vulgaris.
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L'maisenbeuve J, Zhang Y, Jen S, Carter D;
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02 JUN-2900; 2000US 208841P.
07-JUL-2900; 2000US-216747P.
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presence or absence of P. acres in a patient comprises contacting a sample with a binding agent that binds to the proteins of the invention and determining the amount of bound protein in the sample. The polypoptides may be used as antiders in the production of antibodies specific for P. acres proteins. These antibodies can be used to downrequiate expression and activity of P. acres polypoptides and therefore treat F. acres infections. The antibodies polypoptides and therefore treat F. acres infections. The antibodies polypoptides and diagnostic agents for determining P. acres presence, for example, by Note: The sequence data for this patient did not form part of the printed specification, but was obtained in electronic format directly from WiPo
the treatment, prevention and diagnosis of medical conditions caused by P. acnes. The disorders include SAPHO syndrome (syncetis, acne, pustuosis, hypertosis and osreomyelitis), uveltis and endophihalmitis. A userics is also involved in infections of bone, joints and the central nervous system, however it is particularly involved in the inflummatory lesions associated with acne vulgaris. A method for deterting the
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Best Loral Similarity 25,3%: Prod. No. 3.8c-29;
Matchen 197, Nazernative 57, Wishmatshas 171, 100-15 78
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327 ILEKEEGYKP-----YVVKDKKADKKWSHFGTQKEK

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The present sequence represents a protein from Streptococcus procumoniae. The nucleic acid sequence encoding the Streptococcus procusion can be useful in vaccines for inducing protective antibodies against Streptococcus preumoniae. For treatment or preventing of inferring a problem by other instances and are used to detect Streptococcus inferring to amplification methods), also for isolating Streptococcus genes or their articles. The protein can be used similarly to detect specific antibodies in standard immunoassays, especially for diagnosting or monitoring infections. Antibodies which bind the protein are used to detect corresponding antipode to a toxin. Vaccines are administered, eq. by injection or multipose, to pairty the part in and for passive immunisation (optionally coupled to a toxin). Vaccines are administered, eq. by injection or property.
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Best Local Similarity 25 °8. Prod No. 1 No. 67,
Matches 86; Conserration °4; Mismatches 142, Indels °5; Gaps
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                                                                                                                                                                                                                                                                                                                                                                      detection; pneumonia; otitis media; meningitis.
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                                                                                                                                                        Streptococcus pneumoniae SP007 protein.
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The sequences given is AAPRYQY3 and AAPRYQPE represent the H. but sequences given is AAPRYQY3 and AAPRYQPE represent the H. but additional was isolated by polymerase chain reaction (PCB) using the proteins was isolated by polymerase chain reaction (PCB) using the primer sequences given in AAQ34673-76. This DNA contained two open reading frames (ORF). It was therefore concluded that the P39 antiqen which has been previously described is not one protein but two, 39-alpha and 34-reta. The protein but two, 39-alpha and 34-reta. The protein with a solution with protein with a secondary with serum from human tyme patients. The OKP of gene 2 has been designated $73-beta. This genes' ORF starts life nuclectides downstream of F34-alpha and encodes a protein of 341 amino arids (37-56-KD). The promoter leaded. This genes' of appears to be present with classic -10 and -35 regions whereas $93-beta lacks a recognisable promoter sequence. Beth genes have putative ribosomal binding sites immediatly $7' to the start codens and each is terminated.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     with a TAA codom. Comparing the gene sequences of p39-alpha and p39-beta indicates that these genes have 62% similarity.

Beta indicates that these genes have 62% similarity.

Beta indicates that submitted to correct the patent number format of 18 Government-numbers. Seplications to prement clashes with ongoing 18 tranted patent numbers. For further information please visit the borwent web site at www.derwent.com/dwpi/updates/ntis_us.html.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Polymerase chain reaction, PDR, primer, open reading frame, ORF, P39, antiqen, 39 alpha, 39 beta; serum, human, Lyme patient; p39 beta; p39-alpha; promoter: -10; -38; ribosomal binding site; RBS.
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24.5%, Prod. Bo. 1.3c-97;
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Best Local Similarity 24.5%, Pred. Boll. 36-07;
Matches 17, Construction 59, Mismatches 140.
(USSH ) US DEPT HEALTH & HUMAN SERVICE.
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                                                                                                                                                                                                                       AAR31013 standard; Protein; 340 AA
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This sequence represents a Borrelia boradoricii (80) protein of the invertion, which is suitable for use in a varcine. The 9D polypeptides can be used in vaccines for eliciting protective antibodies to members of the Borrelia aenus, particularly to the use analyst ligne disease in
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New isolated Borrella burgdorferi nucleic acids - used to develop products for the diagnosis, prevention and freatment of diseases
97 ABILIDIRATITEDECRITERSENÇIAL LALKALBAÇTELL ONAVLESSNELSANBAL.
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This represents the Borrelia burgdorferi antiquoic protein p39 alpha which is immunoreactive with mammalian Lyme borreliosis serum. The Borrelia antiqueic proteins p39 alpha and p39 beta are used in vaccines to protect against Lyme disease, as assay reaquits to detect specific antibodies in the serum (disansstic of Lyme disease), and to raise untibodies, either for diamostic (by detection the corresponding anti-pen) or in screening agents for ability to inhibit expression of the proteins.
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                                                                                                                                                     Claim 1; Columns 29:42; 44pp; English.
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This sequence represents a Borrelia burgdorleri (Bb) protein of the invention, which is suitable for use in a vaccine, the Mp Folypepiides can be used in vaccines for eliciting protective antibodies to members of the Parcelia arms, particularly for the use applies type disease in the Parcelia arms, particularly for the used for preventing or attendating an intensity in a meder of the Marrelia grows. The production of attendating the used for detection of members of the Morrelia agency.
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                                                                                                                                                                                                                       New isolated Borrella burgdorferi mucheic acids
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